



WRITING FORMAT OF SPECIFICATION

The enclosed patent application for Twister Wings is simple. As shown in the claims, it's only about fixed wings along the aft end of any monohull sailboat. That's it! All the rest of the document is about how it works, why it works, what are its limitations, and some suggestions on how to build and fold the wings. It's based on sound engineering where it applies and on conjecture where it doesn't. It is also addressed primarily to established boat builders.

My guides for writing this document are,

1. Patent It Yourself, by David Pressman, 6 Th. Edition, and 9 Th. Edition, NOLO Press.
2. Patent Searching Made Easy, by David Hitchcock, NOLO Press.
3. How to Make Patent Drawings Yourself, by Jack Lo and David Pressman, NOLO Press.

I also purchased TurboCad from IMSI to do the drawings in vector format but I failed in this. At 81 years old, my short-term memory short-circuited when it came to absorbing all of the numerous processes required. By experimenting with tracing paper followed with Mylar, I found that I could handle Vellum. If the enclosed drawings do not qualify as formal, I will contact an appropriate person whom you list on your Website.

My writing style does not fit very well with many of the patents that I have read, and not always with that which David Pressman referred to, such as, 'the Cybernetics Institute has found that 50% of adults can't understand a sentence longer than 13 words.' (45 words in this last sentence). So I guess that I'll have to settle on sales to only half the population.

An attempt has been made to point out deficiencies in the winged concept rather than knock the competition since there is no direct competition and speed competitors such as the skiffs serve their purpose extremely well. Ideally, recognizing the variables, both good and bad, should help a builder to select parameters that will combine with his own knowledge to produce some remarkable boats. Since almost any monohull may add wings to increase performance, only Twister Wings are stated in the Claims. However, the section on keelboats states that this document applies only to boats that are planning boats or those that are capable of planning with the use of Twister Wings.

My style reflects my background as an aerospace engineer for 20 years with the rocket

team at Huntsville, Alabama. Much of the experience included coordinating aerodynamic design and control with other Labs such as Structure and Mechanics, and Flight Control. All design criteria had to be justified, and if it could not be analytically proven, tests were devised to establish the data. Of course there were over 3000 other people helping. This patent application reflects the same detail of investigation. This approach meant success in the Apollo space program and I have attempted to make it mean success for Twister Wing Sailboats.